

Please type a plus sign (+) inside this box → ☐

PTO/SB/05 (12/97)
Approved for use through 09/30/00. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 4090-126

Total Pages

First Named Inventor or Application Identifier

Larry C. Wilkins

Express Mail Label No.

EM464406089US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. ☒ Fee Transmittal Form
(Submit an original, and a duplicate for fee processing)
2. ☒ Specification (Total Pages 19)
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to Microfiche Appendix
 - Background of the invention
 - Brief Summary of the invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
3. 12 Drawing(s) (35 USC 113) (Total Sheets 31)
4. Oath or Declaration (Total Pages 2)
 - a. ☒ Newly executed (original or copy)
 - b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 17 completed)
(Note Box 5 below)
 - i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting
inventor(s) named in the prior application,
see 37 CFR 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference (useable if Box 4b is checked)
The entire disclosure of the prior application, from which a
copy of the oath or declaration is supplied under Box 4b,
is considered as being part of the disclosure of the
accompanying application and is hereby incorporated by
reference therein.

6. ☐ Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 - a. ☐ Computer Readable Copy
 - b. ☐ Paper Copy (identical to computer copy)
 - c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

8. ☒ Assignment Papers (cover sheet & document(s))
9. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
14. ☒ Small Entity Statement filed in prior application.
Statement(s) ☐ Status still proper and desired
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Other: _____

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: _____

18. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or ☒ Correspondence address below

NAME	Joseph A. Naughton, Esq.				
	Woodard, Emhardt, Naughton, Moriarty & McNett				
ADDRESS	111 Monument Circle, Suite 3700				
	Bank One Center/Tower				
CITY	Indianapolis	STATE	Indiana	ZIP CODE	46204-5137
COUNTRY	USA	TELEPHONE	(317) 634-3456	FAX	(317) 637-7561

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

"Express Mail" label number EM464406089US
Date of Deposit APRIL 16, 1998

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 39 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Joseph A. Naughton
Signature of person mailing paper or fee

<h2 style="margin: 0;">FEE TRANSMITTAL</h2> <p style="font-size: small; margin: 5px 0;">Note: Effective October 1, 1997. Patent fees are subject to annual revision.</p>	<p>Complete if Known</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td style="width: 50%;">April 16, 1998</td> </tr> <tr> <td>Filing Date</td> <td>Larry C. Wilkins</td> </tr> <tr> <td>First Named Inventor</td> <td></td> </tr> <tr> <td>Group Art Unit</td> <td></td> </tr> <tr> <td>Examiner Name</td> <td></td> </tr> <tr> <td>Attorney Docket Number</td> <td>4090-126</td> </tr> </table>	Application Number	April 16, 1998	Filing Date	Larry C. Wilkins	First Named Inventor		Group Art Unit		Examiner Name		Attorney Docket Number	4090-126
Application Number	April 16, 1998												
Filing Date	Larry C. Wilkins												
First Named Inventor													
Group Art Unit													
Examiner Name													
Attorney Docket Number	4090-126												
TOTAL AMOUNT OF PAYMENT (\$)	435.00												

METHOD OF PAYMENT (check one)	FEE CALCULATION (continued)																																																																																																																								
<p>1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</p> <p>Deposit Account Number: <u>23-3030</u></p> <p>Deposit Account Name: <u>Woodard, Emhardt et al.</u></p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.15 and 1.17 <input type="checkbox"/> Charge the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance</p> <p>2. <input checked="" type="checkbox"/> Payment Enclosed:</p> <p style="margin-left: 20px;"><input checked="" type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other</p>	<h3 style="margin: 0;">3. ADDITIONAL FEES</h3> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Small Entity Fee Code</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130 205 65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50 227 25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139</td><td>130 139 130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520 147 2,520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>112</td><td>920* 112 920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840* 113 1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110 215 55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>400 216 200</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>950 217 475</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,510 218 755</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>2,060 228 1,030</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>310 219 155</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>310 220 155</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>270 221 135</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510 138 1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110 240 55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>141</td><td>1,320 241 660</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>142</td><td>1,320 242 660</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>450 243 225</td><td>Design issue fee</td><td></td></tr> <tr><td>144</td><td>670 244 335</td><td>Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130 122 130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>50 123 50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>126</td><td>240 126 240</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>581</td><td>40 581 40</td><td>Recording each patent assignment per property (times number of properties)</td><td>\$40</td></tr> <tr><td>146</td><td>790 246 395</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>149</td><td>790 249 395</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td colspan="4">Other fee (specify) _____</td></tr> <tr><td colspan="4">Other fee (specify) _____</td></tr> <tr> <td colspan="2" style="text-align: right;">SUBTOTAL (3)</td> <td colspan="2" style="text-align: right;">(\$)</td> </tr> </tbody> </table>	Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid	105	130 205 65	Surcharge - late filing fee or oath		127	50 227 25	Surcharge - late provisional filing fee or cover sheet		139	130 139 130	Non-English specification		147	2,520 147 2,520	For filing a request for reexamination		112	920* 112 920*	Requesting publication of SIR prior to Examiner action		113	1,840* 113 1,840*	Requesting publication of SIR after Examiner action		115	110 215 55	Extension for reply within first month		116	400 216 200	Extension for reply within second month		117	950 217 475	Extension for reply within third month		118	1,510 218 755	Extension for reply within fourth month		128	2,060 228 1,030	Extension for reply within fifth month		119	310 219 155	Notice of Appeal		120	310 220 155	Filing a brief in support of an appeal		121	270 221 135	Request for oral hearing		138	1,510 138 1,510	Petition to institute a public use proceeding		140	110 240 55	Petition to revive - unavoidable		141	1,320 241 660	Petition to revive - unintentional		142	1,320 242 660	Utility issue fee (or reissue)		143	450 243 225	Design issue fee		144	670 244 335	Plant issue fee		122	130 122 130	Petitions to the Commissioner		123	50 123 50	Petitions related to provisional applications		126	240 126 240	Submission of Information Disclosure Stmt		581	40 581 40	Recording each patent assignment per property (times number of properties)	\$40	146	790 246 395	Filing a submission after final rejection (37 CFR 1.129(a))		149	790 249 395	For each additional invention to be examined (37 CFR 1.129(b))		Other fee (specify) _____				Other fee (specify) _____				SUBTOTAL (3)		(\$)	
Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid																																																																																																																						
105	130 205 65	Surcharge - late filing fee or oath																																																																																																																							
127	50 227 25	Surcharge - late provisional filing fee or cover sheet																																																																																																																							
139	130 139 130	Non-English specification																																																																																																																							
147	2,520 147 2,520	For filing a request for reexamination																																																																																																																							
112	920* 112 920*	Requesting publication of SIR prior to Examiner action																																																																																																																							
113	1,840* 113 1,840*	Requesting publication of SIR after Examiner action																																																																																																																							
115	110 215 55	Extension for reply within first month																																																																																																																							
116	400 216 200	Extension for reply within second month																																																																																																																							
117	950 217 475	Extension for reply within third month																																																																																																																							
118	1,510 218 755	Extension for reply within fourth month																																																																																																																							
128	2,060 228 1,030	Extension for reply within fifth month																																																																																																																							
119	310 219 155	Notice of Appeal																																																																																																																							
120	310 220 155	Filing a brief in support of an appeal																																																																																																																							
121	270 221 135	Request for oral hearing																																																																																																																							
138	1,510 138 1,510	Petition to institute a public use proceeding																																																																																																																							
140	110 240 55	Petition to revive - unavoidable																																																																																																																							
141	1,320 241 660	Petition to revive - unintentional																																																																																																																							
142	1,320 242 660	Utility issue fee (or reissue)																																																																																																																							
143	450 243 225	Design issue fee																																																																																																																							
144	670 244 335	Plant issue fee																																																																																																																							
122	130 122 130	Petitions to the Commissioner																																																																																																																							
123	50 123 50	Petitions related to provisional applications																																																																																																																							
126	240 126 240	Submission of Information Disclosure Stmt																																																																																																																							
581	40 581 40	Recording each patent assignment per property (times number of properties)	\$40																																																																																																																						
146	790 246 395	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																							
149	790 249 395	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																							
Other fee (specify) _____																																																																																																																									
Other fee (specify) _____																																																																																																																									
SUBTOTAL (3)		(\$)																																																																																																																							
<h3 style="margin: 0;">1. FILING FEE</h3> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Small Entity Fee Code</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>101</td><td>790 201 395</td><td>Utility filing fee</td><td>\$395</td></tr> <tr><td>106</td><td>330 206 165</td><td>Design filing fee</td><td></td></tr> <tr><td>107</td><td>540 207 270</td><td>Plant filing fee</td><td></td></tr> <tr><td>108</td><td>790 208 395</td><td>Reissue filing fee</td><td></td></tr> <tr><td>114</td><td>150 214 75</td><td>Provisional filing fee</td><td></td></tr> <tr> <td colspan="2" style="text-align: right;">SUBTOTAL (1)</td> <td colspan="2" style="text-align: right;">(\$)</td> </tr> </tbody> </table> <h3 style="margin: 0;">2. CLAIMS</h3> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Total Claims</th> <th>Extra</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>8</td> <td>-20 = 0</td> <td>X 0 = 0</td> <td>\$0</td> </tr> <tr> <td>1</td> <td>-3 = 0</td> <td>X 0 = 0</td> <td>\$0</td> </tr> <tr> <td>Multiple Dependent Claims</td> <td>0</td> <td>X 0 = 0</td> <td>\$0</td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Small Entity Fee Code</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>103</td><td>22 203 11</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>102</td><td>82 202 41</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>104</td><td>270 204 135</td><td>Multiple dependent claim</td><td></td></tr> <tr><td>109</td><td>82 209 41</td><td>Reissue independent claims over original patent</td><td></td></tr> <tr><td>110</td><td>22 210 11</td><td>Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr> <td colspan="2" style="text-align: right;">SUBTOTAL (2)</td> <td colspan="2" style="text-align: right;">(\$)</td> </tr> </tbody> </table>	Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid	101	790 201 395	Utility filing fee	\$395	106	330 206 165	Design filing fee		107	540 207 270	Plant filing fee		108	790 208 395	Reissue filing fee		114	150 214 75	Provisional filing fee		SUBTOTAL (1)		(\$)		Total Claims	Extra	Fee from below	Fee Paid	8	-20 = 0	X 0 = 0	\$0	1	-3 = 0	X 0 = 0	\$0	Multiple Dependent Claims	0	X 0 = 0	\$0	Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid	103	22 203 11	Claims in excess of 20		102	82 202 41	Independent claims in excess of 3		104	270 204 135	Multiple dependent claim		109	82 209 41	Reissue independent claims over original patent		110	22 210 11	Reissue claims in excess of 20 and over original patent		SUBTOTAL (2)		(\$)		<p style="text-align: right;">SUBTOTAL (2) (\$)</p> <p style="text-align: right;">SUBTOTAL (3) (\$)</p> <p style="text-align: right;">* Reduced by Basic Filing Fee Paid</p>																																																
Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid																																																																																																																						
101	790 201 395	Utility filing fee	\$395																																																																																																																						
106	330 206 165	Design filing fee																																																																																																																							
107	540 207 270	Plant filing fee																																																																																																																							
108	790 208 395	Reissue filing fee																																																																																																																							
114	150 214 75	Provisional filing fee																																																																																																																							
SUBTOTAL (1)		(\$)																																																																																																																							
Total Claims	Extra	Fee from below	Fee Paid																																																																																																																						
8	-20 = 0	X 0 = 0	\$0																																																																																																																						
1	-3 = 0	X 0 = 0	\$0																																																																																																																						
Multiple Dependent Claims	0	X 0 = 0	\$0																																																																																																																						
Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid																																																																																																																						
103	22 203 11	Claims in excess of 20																																																																																																																							
102	82 202 41	Independent claims in excess of 3																																																																																																																							
104	270 204 135	Multiple dependent claim																																																																																																																							
109	82 209 41	Reissue independent claims over original patent																																																																																																																							
110	22 210 11	Reissue claims in excess of 20 and over original patent																																																																																																																							
SUBTOTAL (2)		(\$)																																																																																																																							

SUBMITTED BY		Complete (if applicable)	
Typed or Printed Name	Joseph A. Naughton	Reg. Number	19,814
Signature	<i>Joseph A. Naughton</i>	Date	4/16/98
		Deposit Account User ID	23-3030

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.